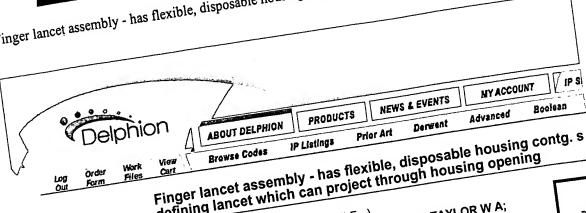
Finger lancet assembly - has flexible, disposable housing contg. spring defining lancet whi.. Page 1 of 2



defining lancet which can project through housing opening

MILES INC Standard company (MILE...)

BRENNEMAN A J; BROWN M K; PURCELL D G; TAYLOR W A;

Assignee: Inventor(s): WHITSON R C; ZUIDEMA J L;

Accession / Update:

1991-157417 / 199122

IPC Class:

A61B 5/14; A61B 17/34;

Derwent Classes:

P31;

Derwent Abstract

DERWENT RECORD (EP0428914A) The assembly includes a housing (12, 102) (LETU420314A) THE assembly includes a nousing (12, 102) fabricated of flexible, disposable material. A spring (22) including a fabricated of flexible, disposable material in the housing in a first end (30) defining a lancet (32) is mounted in the housing in a rapricated of flexible, disposable material. A spring (22) including a first end (30) defining a lancet (32) is mounted in the housing in a stressed position. Upon release of the spring the lancet passes through an opening (34) in the housing to strike a finder positioned stressed position. Upon release of the spring the lancet passes through an opening (34) in the housing to strike a finger positioned through an opening. The lancet (32) is then returned to within the against the housing. The lancet (32) is then returned to within the housing by the natural resiliency of the spring (22), housing by the natural resiliency of the spring (22) including a first end (30) defining. The assembly includes a housing (12, 102) fabricate end (30) defining the assembly includes a housing (22) including a first end (30) defining disposable material. A spring (22) including a stressed position. Upon a lancet (32) is mounted in the housing in a stressed position.

disposable material. A spring (ZZ) including a first end (3U) defining a lancet (32) is mounted in the housing in a stressed position. Upon a lancet (32) is mounted in the housing the stress of the spring the lancet pages through an application of the spring the lancet pages through an application of the spring the lancet pages through a spring (ZA) in release of the spring the lancet passes through an opening (34) in the housing to strike a finger positioned against the housing. The lancet (32) is then returned to within the housing by the natural

resiliency of the spring (22).
In a second embodiment of the lancet assembly (100) the housing (100) is revisely and a discool lancet assembly (104). (102) is reusable, and a disposable lancet cartridge (104) is (TUZ) is reusable, and a disposable lancer carriage (104) is mounted in the mounted on the housing. A cantilever spring (132) is mounted in the housing and is posted by a slide (148, 149) on the housing and is posted by a slide (148, 149) on the housing. mounted on the nousing. A cantilever spring (132) is mounted in the housing and is cocked by a slide (146, 148) on the housing. Upon housing and is cocked by a slide (146, 148) on the housing (132, 136) being released from the crocked position, the spring (132, 136) being released from the crocked position, the spring (112) of a lancet strikes a hammer member (138) engaging an end (112) of a lancet strikes a hammer member (138) engaging an end (112) of a lancet is (114) in the lancet cartridge. After puncturing a finger the lancet (114) in the lancet cartridge. Strikes a nammer member (196) engaging an end (112) of a failure (114) in the lancet cartridge. After puncturing a finger, the lancet is returned to a position within the cartridge by return springs (130). The cartridge is then removed from the lancet assembly and

In a second embodiment of the lancet assembly (100) the housing (102) is reusable, and a disposable lancet cartridge (104) is (102) is reusable, and a disposable lancet cartridge (104) is mounted in the mounted on the housing. A cantilever spring (132) is mounted. Upon mounted on the housing. A cantilever spring (132) is mounted. Upon housing and is cocked by a slide (146, 148) on the housing. 136) housing and is cocked by a slide (146, 148) on the spring (132, 136) housing released from the crocked position, the spring (132) of a lancet being released from the crocked position, the spring (132) of a lancet strikes a hammer member (138) engaging an end (112) of a lancet is strikes a hammer member (138). After puncturing a finger, the lancet cartridge. After puncturing a finger. STIKES a nammer member (138) engaging an end (112) or a lancet (114) in the lancet cartridge. After puncturing a finger, the lancet is (114) in the lancet cartridge by return springs (130). The cartridge is then removed from the lancet accombly and the cartridge is then removed from the lancet accombly and The cartridge is then removed from the lancet assembly and ciscarded.

Use - A lancet assembly (10, 100) for making a puncture in a finger.

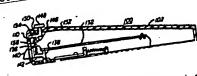
Use - A lancet assembly (10, 100) for making a puncture in a finger.

Use - A lancet assembly (10, 100)

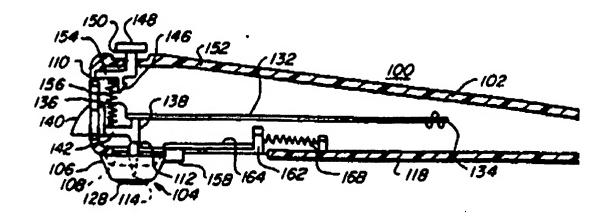
EP0428914A: Dwg.6/8

Abstract info:

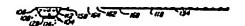
Images:











Family:

Patent Issued DW Update Pages Language IPC Class

EP0428914A * May 29, 1991 199122 English A61B 5/14

Des. States: (R) DE FR GB

Local appls.: <u>EP1990000120876</u> ApplDate:1990-10-31 (90EP-0120876)

AU9063242A = May 16, 1991 199127 English

Local appls.:

.....

<u>CA2025801A</u> = May 14, 1991 199130 English A61B 17/32

Local appls.:

Priority Number(s):

Application Number Application Date Original Title
US1989000435985 Nov. 13, 1989

Citations:

DE2131297: STECHAPPARAT ZUR BLUTENTNAHME

EP0097748: PRICKING DEVICE FOR COLLECTING A DROPLET OF BLOOD

GB2098486: BLOOD LANCET

US3760809: SURGICAL LANCET HAVING CASING

US4577630 : REUSABLE BREACH LOADING TARGET PRESSURE ACTIVATED L

FIRING DEVICE

Title Terms:

FINGER LANCET ASSEMBLE FLEXIBLE DISPOSABLE HOUSING CONTAIN SPRI

DEFINE LANCET CAN PROJECT THROUGH HOUSING OPEN

Pricing

Current charges

Data copyright Derwent 2002

Derwent Searches

Patent /.Accession

Numbers

Boolean Text

Advanced Text

Demo area.

Subscribe | Privacy Policy | Terms & Conditions | FAQ | Site Map | Help | Contact Us © 1997 - 2002 Delphion Inc.